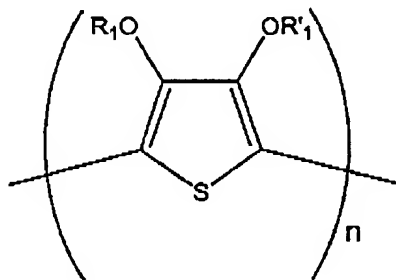


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Listing of Claims

1. (Currently Amended) A buffer layer composition comprising an aqueous dispersion of a polydioxithiophene and at least one colloid-forming polymeric acid wherein said composition has a pH greater than about 3 colloid-forming polymeric acid is a fluorinated polymeric sulfonic acid.

2. (Previously Presented) A buffer composition according to Claim 1, wherein said polydioxithiophene has the structure:



wherein:

R₁ and R'₁ are each independently selected from hydrogen and alkyl having 1 to 4 carbon atoms,
or R₁ and R'₁ taken together form an alkylene chain having 1 to 4 carbon atoms, which may optionally be substituted by alkyl or aromatic groups having 1 to 12 carbon atoms, or a 1,2-cyclohexylene radical, and
n is greater than about 6.

3. (Previously Presented) A buffer composition according to Claim 2, wherein R₁ and R'₁ together form an alkylene chain having 1 to 4 carbon atoms.

4. (Previously Presented) A buffer composition according to Claim 3, wherein said polydioxithiophene comprises poly(3,4-ethylenedioxythiophene).

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Currently Amended) A buffer composition according to Claim 61, wherein said polymeric sulfonic acid is perfluorinated.

9. (Currently Amended) A buffer composition according to Claim 61, wherein said polymeric sulfonic acid is a perfluoroalkylenesulfonic acid.

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10. (Previously Presented) A buffer composition according to Claim 9, wherein said polymeric sulfonic acid is perfluoroethylenesulfonic acid.

11. (Canceled)
12. (Canceled)
13. (Canceled)
14. (Canceled)
15. (Canceled)
16. (Canceled)
17. (Canceled)
18. (Canceled)
19. (Canceled)
20. (Canceled)
21. (Canceled)
22. (Canceled)
23. (Canceled)
24. (Canceled)
25. (Canceled)
26. (Canceled)
27. (Canceled)
28. (Canceled)
29. (Canceled)
30. (Canceled)
31. (Canceled)
32. (Canceled)
33. (Canceled)
34. (Canceled)
35. (Canceled)
36. (Canceled)

37. (Currently Amended) A buffer composition comprising an aqueous dispersion of a polydioxathiophene, at least one colloid-forming polymeric acid, and an additional material selected from ~~polymers, dyes, carbon nanotubes, metal nanowires, coating aids, organic and inorganic conductive inks and pastes, charge transport materials, crosslinking agents, and combinations thereof.~~ polythiophenes, polyanilines, polypyrroles, polyamines, polyacetylenes, and combinations thereof.

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- 38. (Canceled)
- 39. (Canceled)
- 40. (Canceled)
- 41. (Canceled)
- 42. (Canceled)
- 43. (Canceled)
- 44. (Canceled)
- 45. (Canceled)
- 46. (Canceled)
- 47. (Canceled)
- 48. (Canceled)
- 49. (Canceled)
- 50. (Canceled)
- 51. (Canceled)
- 52. (Canceled)
- 53. (Canceled)

54. (Currently Amended) A buffer composition comprising an aqueous dispersion of a polythiophene and at least one colloid-forming polymeric acid, wherein said colloid-forming polymeric acid is a fluorinated polymeric sulfonic acid.

- 55. (Canceled)
- 56. (Canceled)
- 57. (Canceled)

58. (New) A buffer composition according to Claim 1, wherein the composition has a pH greater than about 3.

59. (New) A buffer composition comprising a dispersion of a polydioxothiophene and at least one colloid-forming polymeric acid in water, wherein said colloid-forming polymeric acid is a fluorinated polymeric sulfonic acid.